

GenCore version 4.5
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OM protein - protein search, using SW model

Run on: March 1, 2001, 15:49:51 ; Search time 140.11 Seconds
(without alignments)
5.383 Million cell updates/sec

Title: US-09-331-631a-8_COPY_120_161
Perfect score: 245
Sequence: 1 SQRQFQCQCHQCHQEQRPE.....QQCVREKREKYQENPMRGR 42

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/pdata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/pdata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/pdata/2/1aa/6.COMB.pep:*
4: /cgn2_6/pdata/2/1aa/PCTRUS.COMB.pep:*
5: /cgn2_6/pdata/2/1aa/backfilest.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	225	91.8	587	1	US-07-955-905A-23
2	111.5	45.5	566	1	US-07-955-905A-2
3	111.5	45.5	566	1	US-07-955-905A-22
4	66	26.1	816	2	US-08-267-803B-9
5	64	26.1	1898	1	US-08-056-200-94
6	64	26.1	1898	2	US-08-800-644-94
7	63	25.7	184	1	US-08-453-924-3
8	61.5	25.1	34	2	US-08-822-561-1
9	61	24.9	678	4	PCF-US93-03027-3
10	58	23.7	303	1	US-08-185-432-5
11	58	23.7	737	1	US-08-185-432-2
12	58	23.7	737	1	US-08-185-432-4
13	58	23.7	2703	1	US-08-185-432-19
14	55	22.4	397	1	US-08-647-928-8
15	54.5	22.2	571	1	US-07-955-905A-25
16	53	21.6	131	3	US-09-067-782A-4
17	53	21.6	351	3	US-09-067-782A-2
18	53	21.6	1162	2	US-08-728-323A-2
19	52.5	21.4	205	1	US-08-428-415-5
20	52.5	21.4	205	1	US-08-379-685-5
21	52.5	21.4	205	2	US-08-854-029-5
22	52.5	21.4	523	1	US-08-073-383-2
23	52.5	21.4	523	1	US-08-428-415-2
24	52.5	21.4	523	1	US-08-379-685-2
25	52.5	21.4	523	2	US-08-854-029-2
26	52.5	21.4	523	4	PCF-US94-06365-2
27	52.5	21.4	591	2	US-08-965-903B-2
28	52	21.2	69	3	US-08-690-011A-7

29	52	21.2	93	2	US-08-690-011A-9	Sequence 9, Appl
30	52	21.2	245	1	US-07-876-284-2	Sequence 2, Appl
31	52	21.2	245	1	US-08-276-151-9	Sequence 9, Appl
32	52	21.2	246	1	US-08-276-151-7	Sequence 7, Appl
33	52	21.2	716	2	US-08-766-982-1	Sequence 1, Appl
34	52	21.2	3144	1	US-08-246-982A-6	Sequence 6, Appl
35	52	21.2	3144	1	US-08-453-265-6	Sequence 42, Appl
36	52	21.2	3144	2	US-08-457-273B-42	Sequence 21, Appl
37	52	21.2	3144	3	US-08-556-419-21	Sequence 3, Appl
38	51.5	21.0	513	3	US-09-100-193-3	Sequence 2, Appl
39	51	20.8	138	2	US-08-684-101-2	Sequence 8, Appl
40	51	20.8	215	2	US-08-659-251-8	Sequence 2, Appl
41	51	20.8	215	4	PCF-US96-11445-8	Sequence 8, Appl
42	51	20.8	360	2	US-08-531-927B-2	Sequence 2, Appl
43	51	20.8	361	1	US-08-415-751-4	Sequence 4, Appl
44	51	20.8	2616	5	5206163-3	Patent No. 5206163
45	50.5	20.6	376	5	5180810-1	Patent No. 5180810

ALIGNMENTS

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RESULT 1
US-07-955-905A-23
; Sequence 23, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 587 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; ORIGINAL SOURCE:
; ORGANISM: Gossypium hirsutum
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..587
; OTHER INFORMATION: /note="Vicilin from G. hirsutum"
US-07-955-905A-23

Query Match          91.8%; Score 225; DB 1; Length 587;
Best Local Similarity 90.5%; Pred. No. 7e-19;
Matches 38; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 SQRQFQCQCHQCHQEQRPEKQCCVREKREKYQENPMRGR 42
DB 119 SQRQFQCQCHQCHQEQRPEKQCCVREKREKYQENPMRGR 160

RESULT 2
US-07-955-905A-2
; Sequence 2, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; PRECURSOR
; NUMBER OF SEQUENCES: 28
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